

# AIR QUALITY TEST INSTRUMENT KITS

AQTIA Combines the UHH2 Universal Handheld with Compatible Probes



The **Series AQTIA Air Quality Test Instrument Kits** combine the versatile Model UHH2 handheld base with various compatible probes and modules. The versatile combination provides a line of instruments capable of streamlining a technician's everyday testing by combining all into one product and using Bluetooth SIG, Inc. wireless technology for ease of use.

**FEATURES/BENEFITS**

- Rugged IP68 housing withstands 1.5 meter drop test
- Wireless measurement of pressure, air velocity, air flow, temperature, and humidity

**APPLICATIONS**

- Building commissioning
- Building balancing
- Testing HVAC equipment performance

**SPECIFICATIONS**

**Display:** 4.3" QHD Gorilla glass, 960x540.  
**Temperature Limits:** Operating: -4 to 140°F (-20 to 60°C); Storage: -40 to 176°F (-40 to 80°C).  
**Humidity Limits:** 5 to 95% RH.  
**Power Requirements:** 2000 mAh lithium ion battery, installed functional, non-replaceable.  
**Memory:** RAM 1G & ROM 4G.  
**Operating System:** Android 4.2.2.  
**CPU:** MTK6589W Quad Core 1.2 GHz.  
**Enclosure Rating:** IP68.  
**Weight:** 15.9 oz (450 g).  
**Agency Approvals:** CE.

**MODEL CHART**

Model	Parameters	Range	Engineering Units Available
AQTIA-AP2	Velocity/temperature	0 to 6000 FPM; -20 to 212°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K
AQTIA-RP2	Humidity/temperature	0 to 100% RH; -20 to 140°F	Humidity: %RH; Temperature: °F, °C, °K
AQTIA-VP2	Velocity/RH/temperature	40 to 5000 FPM; 0 to 100% RH; -4 to 140°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K
AQTIA-WDPM-002	Pressure	±2 in w.c. (498.18 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-005	Pressure	±5 in w.c. (1245.4 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-010	Pressure	±10 in w.c. (2490.9 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-020	Pressure	±20 in w.c. (4981.8 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-030	Pressure	±30 in w.c. (7472.7 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-100	Pressure	±100 in w.c. (24909 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-200	Pressure	±200 in w.c. (49818 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
AQTIA-WDPM-350	Pressure	±350 in w.c. (87181 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa

**Note:** AQTIA series models supplied with: UHH2, UHH-BTG, wireless sensing probe, soft carrying case (UHH-C1), charging cable (UHH-CBL2), and headphones.  
**Note:** Pro series models supplied with: UHH2, UHH-BTG, wireless sensing probe, soft carrying case (UHH-C1), charging cable (UHH-CBL2), headphones, heavy duty hard case with pre-cut foam inserts for additional sensors (UHH-C2), and NIST calibration certificate. For pro series models, replace AQTIA with AQTIA-P.

**MODEL CHART - PROFESSIONAL KITS**

Model	Probes Provided	Parameters	Range	Engineering Units Available
AQTIA-P-WDPM-002-PKIT	WDPM-002	Pressure	±2 in w.c. (498.18 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
	AP2	Velocity/temperature	0 to 6000 FPM; -20 to 212°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K
	RP2	Humidity/temperature	0 to 100% RH; -20 to 140°F	Humidity: %RH; Temperature: °F, °C, °K
	VP2	Velocity/RH/temperature	40 to 5000 FPM; 0 to 100% RH; -4 to 140°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K
AQTIA-P-WDPM-005-PKIT	WDPM-005	Pressure	±5 in w.c. (1245.4 Pa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mbar, Pa, hPa, kPa
	AP2	Velocity/temperature	0 to 6000 FPM; -20 to 212°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K
	RP2	Humidity/temperature	0 to 100% RH; -20 to 140°F	Humidity: %RH; Temperature: °F, °C, °K
	VP2	Velocity/RH/temperature	40 to 5000 FPM; 0 to 100% RH; -4 to 140°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K
AQTIA-P-WDPM-010-PKIT	WDPM-010	Pressure	±10 in w.c. (± 2.5 kPa)	in w.c., ft w.c., in Hg, psi, oz/in <sup>2</sup> ; mm w.c., cm w.c., mBar, Pa, hPa, and kPa
	AP2	Velocity/temperature	0 to 6000 FPM; -20 to 212°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K
	RP2	Humidity/temperature	0 to 100% RH; -20 to 140°F	Humidity: %RH; Temperature: °F, °C, °K
	VP2	Velocity/RH/temperature	40 to 5000 FPM; 0 to 100% RH; -4 to 140°F	Velocity: fps, fpm, mph, knots, m/s, m/h, k/h; Temperature: °F, °C, °K

**Note:** Full professional kits supplied with UHH2, UHH-BTG, AP2 thermo-anemometer probe, RP2 thermo-hygrometer probe, VP2 thermo-anemometer probe, WDPM wireless differential pressure module, 160-18 stainless steel pitot tube, 160F straight stainless steel pitot tube, 160G averaging air flow grid, (2) A-303 portable static pressure tip, soft carrying case (UHH-C1), charging cable (UHH-CBL2), headphones, heavy duty hard case with pre-cut foam inserts for additional sensors (UHH-C2), and NIST calibration certificates.